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**The stanford FLASH multiprocessor-** [psu.edu](#) [PDF]

J Kuskin, D Ofelt, M Heinrich, J Heinlein, R ... - International Symposium on Computer Architecture, 1998 - portal.acm.org

... the avoidance of extra copying of message data. ... low-level messages MAGIC sends between nodes, this ... consists of three phases: initiation, transfer, and reception ...

Cited by 752 - Related articles - BL Direct - All 28 versions

**enVvy: a non-volatile, main memory storage system**

M Wu, W Zwaenepoel - Proceedings of the sixth international conference on ..., 1994 - portal.acm.org

... done to overcome the deficiencies associated with Flash ... times, creating a discrepancy between computation time ... available I/O rates by transferring data in par- ...

Cited by 211 - Related articles - BL Direct - All 7 versions

**... memory cards using flash EEPROM integrated circuit chips and memory-controller ...**

RF Wallace, RD Norman, E Harari - US Patent 7,355,874, 2008 - Google Patents

... 23, 2006 Related US Application Data (60) Division ... with a large number of flash EEPROM integrated ... common controller circuit that interfaces between the memory ...

Cited by 42 - Related articles - All 4 versions

**... address counter for synchronously transferring data between data ports and buffer memory**

MC Stoiolowitz - US Patent 6,018,776, 2000 - Google Patents

... ARRAY CONTROLLER FOR READING/WRITING STRIPED DATA USING A SINGLE ADDRESS COUNTER FOR SYNCHRONOUSLY TRANSFERRING DATA BETWEEN DATA PORTS AND BUFFER MEMORY [75 ...

Cited by 20 - Related articles - All 2 versions

**Integration of message passing and shared memory in the Stanford FLASH multiprocessor-**

[psu.edu](#) [PDF]

J Heinlein, K Gharachorloo, S Dresser, A ... - Proceedings of the sixth international conference on ..., 1994 - portal.acm.org

... can be further enhanced by avoiding message copying through direct transfer of data between user address ... interaction of message data with cache coherence. ...

Cited by 101 - Related articles - BL Direct - All 10 versions

**Magnetoresistive random access memory using magnetic tunnel junctions**

S Tehrani, JM Slaughter, M Deherrera, BN ... - Proceedings of the IEEE, 2003 - ieeexplore.ieee.org

... circuit such as a processor or controller. ... by eliminating the need for transferring data between multiple memories ... The capability of Flash memory to store data ...

Cited by 139 - Related articles - BL Direct - All 3 versions

**A flash-memory based file system-** [smallworks.com](#) [PDF]

A Kawaguchi, S Nishioke, H Motoda - usenix.org

... because the concurrent write operations can provide a higher transfer rate ... SRAM for write buffering, a large-bandwidth parallel data path between them, and ...

Cited by 213 - Related articles - All 26 versions

**System architecture directions for networked sensors-** [ucla.edu](#) [PDF]

J Hill, R Szewczyk, A Woo, S Hollar, D Culler, ... - ACM Sigplan Notices, 2000 - portal.acm.org

... will want to explore the tradeoffs **between** the scale ... event is used to periodically start the **data** collection. ... s send message com- mand to initiate a **transfer**. ...

Cited by 2636 - Related articles - BL Direct - All 128 versions

Tempest and Typhoon: User-level shared **memory**- ►wisc.edu [PDF]

SK Reinhardt, JR Larus, DA Wood - Proceedings of the 21ST annual international ..., 1994 - portal.acm.org

... both reads and writes, and **transfer** control to user ... **memory** involves replicat- ing remote **data** to ensure ... are local and maintaining coherence **between** the multiple ...

Cited by 415 - Related articles - BL Direct - All 31 versions

The performance impact of flexibility in the Stanford **FLASH** multiprocessor- ►kfupm.edu.sa

[PDF]

M Heinrich, J Kuskin, D Ofelt, J Heinlein, J ... - Proceedings of the sixth international conference on ..., 1994 - portal.acm.org

... stage **data** as it is passed **between** interfaces. ... bus, **memory** system, and network) and **data transfer** delays ... the same cache-coherence protocol as **FLASH** (see Section ...

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